ELSEVIER

Engineering Geology 60 (2001) 381–382

ENGINEERING GEOLOGY

www.elsevier.nl/locate/enggeo

Author Index Volume 60

Afonso De Albuquerque, F. J., 341
Ahmad, S. A., 323
Akiyoshi, Y., 323
Al-Busaidi, T. S., 235
Allen, A., 3
Almeida, M. S. S., 21
Anderson, W. F., 253
Arslan, P., 149

Banks, D., 31
Banks, S. B., 31
Barbosa, M. C., 21
Benson, C. H., 139
Bentley, S. P., 307
Borma, L. S., 21
Burkhart, S., 95

Charles, J. A., 333
Costa, C., 39
Cousens, T. W., 263
Craig, W. H., 95

Davies, M. C. R., 83, 95
De Silva, M. S., 49
Depountis, N., 83, 95
Driscoll, R., 333

Elzahabi, M., 61

Faruquee, M. H., 323
Ferreira Gomes, L. M., 341
Foose, G. J., 139
Freewood, R. J., 253
Fresco, H., 341
Fukue, M., 361

Gibbs, B. F., 193, 371
Goh, T. B., 69
Graham, J., 69

Harris, C., 83, 95, 307
Hellawell, E. E., 107
Hironaka, H., 323
Horibe, H., 361
Howland, A. F., 117

Ichikawa, Y., 127

Janzen, P., 69
Jesus-Rydin, C., 39

Kamon, M., 139
Katsumi, T., 139
Katzenbach, R., 149
Kawahara, K., 323
Kawamura, K., 127
Kemp, A. C., 107
Kitayama, K., 127
König, D., 95

Li, L. Y., 159
Li, R. S., 159

Mahler, C. F., 173
Matsumoto, M., 361
Mckinley, J. D., 181
Merrifield, C., 95
Minato, T., 361
Miyata, T., 323
Mulligan, C. N., 193, 371
Muttharam, M., 223

Nakano, M., 127
Nancarrow, D. J., 107

O'Connor, K., 295
O'Riordan, N. J., 49

Parry, L. N., 49
Philip, L. K., 209
Prashanth, J. P., 245

Rahman, M., 323
Rao, S. M., 223
Rasula, G., 351
Rasula, M., 351
Reddy, B. V. V., 223
Reid, J. M., 181
Rezzoug, A., 95

Salmon, D. E., 295
Sayed, M. H. S. U., 323
Seiki, T., 127
Sezaki, M., 323

Sharma, R. S., 235
Sivakumar, V., 69
Sivapullaiah, P. V., 245
Smith, C. C., 253
Sridharan, A., 245
Stewart, D. I., 263, 275

Takafuji, H., 323
Tan, B. K., 307
Tanabe, K., 323
Tay, Y. Y., 263
Taya, N., 361
Tedd, P., 333
Theramast, N., 127
Thomas, H. R., 1, 181
Thorel, L., 95
Tsushima, S., 323

Velloso, R. Q., 173
Vogler, M., 149

West, L. J., 275
Wijeyesekera, D. C., 295
Williams, K. P., 181
Winter, M. G., 285
Wu, J., 275

Yaacob, W. Z. W., 307
Yokota, H., 323
Yong, R. N., 1, 61, 159, 193, 307, 371
Yuen, K., 69

ELSEVIER

Engineering Geology 60 (2001) 383–388

ENGINEERING GEOLOGY

www.elsevier.nl/locate/enggeo

Subject Index Volume 60

Abandoned mines drainage
Abandoned mines drainage: impact assessment and mitigation of discharges from coal mines in the UK 31
Acid digestion
Partitioning of heavy metals on soil samples from column tests 307
Adsorption
Copper(II) humate mobility in kaolinite soil 275
Advection
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Arsenic-contamination
Arsenic contamination of ground and pond water and water purification system using pond water in Bangladesh 323

Bangladesh
Arsenic contamination of ground and pond water and water purification system using pond water in Bangladesh 323
Bentonite
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Breakthrough curves
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Partitioning of heavy metals on soil samples from column tests 307
Brownfield site
Sustainable brownfield re-development — risk management 333
Buffering capacity
Partitioning of heavy metals on soil samples from column tests 307
Bulk fill operations
Chemical analysis of contaminated soil strengthened by the addition of lime 181

Capillarity
The influence of capillarity on multiphase flow within porous media: a new model for interpreting fluid levels in groundwater monitoring wells in dynamic aquifers 149
Capillary rise
Centrifuge modelling of capillary rise 95
Centrifuge
Centrifuge modelling of capillary rise 95
Centrifuge modelling
An assessment of miniaturised electrical imaging equipment to monitor pollution plume evolution in scaled centrifuge modelling 83
Chemical industry
Site investigation on heavy metals contaminated ground in Estarreja — Portugal 39
Clay
Hydraulic conductivity and pore fluid chemistry in artificially weathered plastic clay 69
Performance-based design of landfill liners 139
Clay barrier
Partitioning of heavy metals on soil samples from column tests 307
Clay mineralogy
Mathematical prediction of lead removal from carbonate-rich illite 159
Column tests
Partitioning of heavy metals on soil samples from column tests 307
Compacted clay
Design and performance of a compacted clay barrier through a landfill 295
Compaction
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253
Computer
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117

Cone penetration
Use of a resistivity cone for detecting contaminated soil layers 361
Consolidation
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Construction
Design and performance of a compacted clay barrier through a landfill 295
Containment
Containment landfills: the myth of sustainability 3
Contaminant
Diffusion and sorption experiments using a DKS permeameter 173
Contaminant infiltration
An assessment of miniaturised electrical imaging equipment to monitor pollution plume evolution in scaled centrifuge modelling 83
Contaminated land
Chemical analysis of contaminated soil strengthened by the addition of lime 181
Contaminated soil
Copper(II) humate mobility in kaolinite soil 275
Contaminated soils
Use of a resistivity cone for detecting contaminated soil layers 361
Contamination
A GIS raster technique to optimise contaminated soil removal 107
Land disposal of river and lagoon dredged sediments 21
Continuous capillary zone
Centrifuge modelling of capillary rise 95
Copper
Copper(II) humate mobility in kaolinite soil 275
Cracking
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Cyclic wetting and drying
The impact of cyclic wetting and drying on the swelling behaviour of stabilized expansive soils 223

Decontamination
Mathematical prediction of lead removal from carbonate-rich illite 159
Desiccation
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Design
Design and performance of a compacted clay barrier through a landfill 295
Diffusion
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Diffusion and sorption experiments using a DKS permeameter 173
Diffusivity
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Disposal barriers
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Design and performance of a compacted clay barrier through a landfill 295
Docklands
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117

Earthwork construction
Spent oil shale use in earthwork construction 285
Electrical imaging
An assessment of miniaturised electrical imaging equipment to monitor pollution plume evolution in scaled centrifuge modelling 83
Electrokinesis
Copper(II) humate mobility in kaolinite soil 275
Electrolytes
Use of a resistivity cone for detecting contaminated soil layers 361
Environment
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117
Environmental impact
Abandoned mines drainage: impact assessment and mitigation of discharges from coal mines in the UK 31
Environmental threat
Chemical analysis of contaminated soil strengthened by the addition of lime 181
Expansive soils
The impact of cyclic wetting and drying on the swelling behaviour of stabilized expansive soils 223
Extensometers
Design and performance of a compacted clay barrier through a landfill 295

Field studies
Surfactant-enhanced remediation of contaminated soil: a review 371

Fly ash
Pozzolanic fly ash as a hydraulic barrier in land fills 245

Geographic information system
A GIS raster technique to optimise contaminated soil removal 107
Geomembrane
Performance-based design of landfill liners 139
Geotechnical engineering
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Geotechnics
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117
GIS
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117
Granular fill
Spent oil shale use in earthwork construction 285
Gravity
Centrifuge modelling of capillary rise 95
Greenhouses
Protection areas of the São Pedro do Sul Spa, Portugal 341
Groundwater
Arsenic contamination of ground and pond water and water purification system using pond water in Bangladesh 323
Groundwater pollution due to a tailings dam 235
Remediation technologies for metal-contaminated soils and groundwater: an evaluation 193
The influence of capillarity on multiphase flow within porous media: a new model for interpreting fluid levels in groundwater monitoring wells in dynamic aquifers 149
Groundwater protection
Groundwater quality monitoring system in zones of infrastructure facilities 351

Heavy metal
Land disposal of river and lagoon dredged sediments 21
Heavy metals
pH influence on sorption characteristics of heavy metal in the vadose zone 61
Remediation technologies for metal-contaminated soils and groundwater: an evaluation 193
Site investigation on heavy metals contaminated ground in Estarreja — Portugal 39
Homogenization analysis
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Humate
Copper(II) humate mobility in kaolinite soil 275
Hydraulic barrier
Pozzolanic fly ash as a hydraulic barrier in land fills 245
Hydraulic conductivity
Hydraulic conductivity and pore fluid chemistry in artificially weathered plastic clay 69
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Hydrogeological investigation
Groundwater quality monitoring system in zones of infrastructure facilities 351
Hysteresis
The influence of capillarity on multiphase flow within porous media: a new model for interpreting fluid levels in groundwater monitoring wells in dynamic aquifers 149

Illite
Mathematical prediction of lead removal from carbonate-rich illite 159
In situ measurement
Use of a resistivity cone for detecting contaminated soil layers 361
Interaction energy model
Mathematical prediction of lead removal from carbonate-rich illite 159

Kaolinite
Copper(II) humate mobility in kaolinite soil 275

Land disposal
Land disposal of river and lagoon dredged sediments 21
Land fills
Pozzolanic fly ash as a hydraulic barrier in land fills 245
Landfill
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Trials for the construction of a cement solidified retaining structure in a domestic landfill site using deep soil mixing 49
Landfill liner
Performance-based design of landfill liners 139
Landfills
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Containment landfills: the myth of sustainability 3
Leachate
Containment landfills: the myth of sustainability 3

Leaching column
pH influence on sorption characteristics of heavy metal in the vadose zone 61
Lead
Mathematical prediction of lead removal from carbonate-rich illite 159
Light oil
Use of a resistivity cone for detecting contaminated soil layers 361
Lime stabilisation
Chemical analysis of contaminated soil strengthened by the addition of lime 181
Liner
Diffusion and sorption experiments using a DKS permeameter 173
Liners
Containment landfills: the myth of sustainability 3

Mass flux
Performance-based design of landfill liners 139
Metals
Surfactant-enhanced remediation of contaminated soil: a review 371
Modelling
A GIS raster technique to optimise contaminated soil removal 107
Molecular dynamics
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Monitoring
Design and performance of a compacted clay barrier through a landfill 295
Monitoring system
Groundwater quality monitoring system in zones of infrastructure facilities 351
Multiphase flow
The influence of capillarity on multiphase flow within porous media: a new model for interpreting fluid levels in groundwater monitoring wells in dynamic aquifers 149

One-dimensional flow
pH influence on sorption characteristics of heavy metal in the vadose zone 61
Organic contaminants
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253

Performance-based design
Performance-based design of landfill liners 139
Permeability
An investigation into contaminant transport processes through single-phase cement–bentonite slurry walls 209
Hydraulic conductivity and pore fluid chemistry in artificially weathered plastic clay 69
Pozzolanic fly ash as a hydraulic barrier in land fills 245
pH
Partitioning of heavy metals on soil samples from column tests 307
Pollution
Groundwater pollution due to a tailings dam 235
Pond water
Arsenic contamination of ground and pond water and water purification system using pond water in Bangladesh 323
Pore water
Partitioning of heavy metals on soil samples from column tests 307
Portugal
Site investigation on heavy metals contaminated ground in Estarreja — Portugal 39
Precipitation
Partitioning of heavy metals on soil samples from column tests 307
Prediction
Mathematical prediction of lead removal from carbonate-rich illite 159
Protection area
Protection areas of the São Pedro do Sul Spa, Portugal 341
Pure- and salt-water
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127

Reactive barrier
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253
Remediation
A GIS raster technique to optimise contaminated soil removal 107
Abandoned mines drainage: impact assessment and mitigation of discharges from coal mines in the UK 31
The influence of capillarity on multiphase flow within porous media: a new model for interpreting fluid levels in groundwater monitoring wells in dynamic aquifers 149
Remediation technologies
Remediation technologies for metal-contaminated soils and groundwater: an evaluation 193

Resistivity
An assessment of miniaturised electrical imaging equipment to monitor pollution plume evolution in scaled centrifuge modelling 83
Use of a resistivity cone for detecting contaminated soil layers 361
Retaining structure
Trials for the construction of a cement solidified retaining structure in a domestic landfill site using deep soil mixing 49
Retention migration
Partitioning of heavy metals on soil samples from column tests 307
Risk management
Sustainable brownfield re-development — risk management 333

Sand
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Scaling law
Centrifuge modelling of capillary rise 95
Sediment
Land disposal of river and lagoon dredged sediments 21
Sediments
Remediation technologies for metal-contaminated soils and groundwater: an evaluation 193
Seepage
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127
Selective sequential extraction
Partitioning of heavy metals on soil samples from column tests 307
Shrinkage
Shrinkage and desiccation cracking in bentonite–sand landfill liners 263
Site investigation
Site investigation on heavy metals contaminated ground in Estarreja — Portugal 39
Soft clay
Land disposal of river and lagoon dredged sediments 21
Soil
Remediation technologies for metal-contaminated soils and groundwater: an evaluation 193
Soil contamination
Site investigation on heavy metals contaminated ground in Estarreja — Portugal 39
Soil flushing
Surfactant-enhanced remediation of contaminated soil: a review 371
Soil mixing
Trials for the construction of a cement solidified retaining structure in a domestic landfill site using deep soil mixing 49
Soil remediation
Surfactant-enhanced remediation of contaminated soil: a review 371
Sorption
Diffusion and sorption experiments using a DKS permeameter 173
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253
pH influence on sorption characteristics of heavy metal in the vadose zone 61
Sorption–desorption
Mathematical prediction of lead removal from carbonate-rich illite 159
Spent oil shale
Spent oil shale use in earthwork construction 285
Stabilization
The impact of cyclic wetting and drying on the swelling behaviour of stabilized expansive soils 223
Surfactant
Surfactant-enhanced remediation of contaminated soil: a review 371
Sustainability
Containment landfills: the myth of sustainability 3
Sustainable brownfield re-development
Sustainable brownfield re-development — risk management 333
Swelling
The impact of cyclic wetting and drying on the swelling behaviour of stabilized expansive soils 223

Tailings dam
Groundwater pollution due to a tailings dam 235
Thermal mineral water
Protection areas of the São Pedro do Sul Spa, Portugal 341
Treatment wall
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253
Triaxial
Hydraulic conductivity and pore fluid chemistry in artificially weathered plastic clay 69
Tyre chips
Evaluation of shredded tyre chips as sorption media for passive treatment walls 253

Unsaturated
pH influence on sorption characteristics of heavy metal in the vadose zone 61

Urban regeneration
The history of the development of procedures for the rapid assessment of environmental conditions to aid the urban regeneration process at London Docklands 117

Viscosity
Seepage and consolidation of bentonite saturated with pure- or salt-water by the method of unified molecular dynamics and homogenization analysis 127

Volatile organic compounds
A GIS raster technique to optimise contaminated soil removal 107

Water supply system
Arsenic contamination of ground and pond water and water purification system using pond water in Bangladesh 323

Weathering
Hydraulic conductivity and pore fluid chemistry in artificially weathered plastic clay 69